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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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November 28, 2001

Rick Olsen, General Manager
Canyon Fuel Company, LLC
P.O. Box 1029
Wellington, Utah 84542

Re: Approval of As-builts for Sediment Storage, Canyon Fuel Company, LLC, Banning Siding Loadout, C/007/034-AM01E, Outgoing File

Dear Mr. Olsen:

The above-referenced amendment is approved effective November 28, 2001. A stamped incorporated copy is enclosed for your copy of the Mining and Reclamation Plan.

If you have any questions, please feel free to call me at (801) 538-5325.

Sincerely,

Daron R. Haddock

Daron R. Haddock
Permit Supervisor

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Enclosure
cc Joe Wilcox, OSM
Richard Manus, BLM
Mark Page, Water Rights w/o
Dave Ariotti, DEQ w/o
Derris Jones, DWR w/o
Price Field Office
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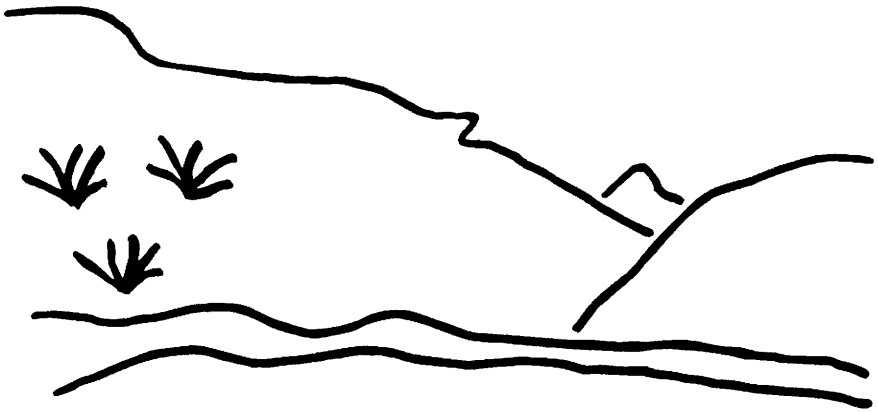
State of Utah



Utah Oil Gas and Mining

Coal Regulatory Program

Banning Loadout
As-builts for Sediment Storage
C/007034–AM01E
Technical Analysis
November 21, 2001

TECHNICAL ANAYLSIS

INTRODUCTION

As outlined in amendment AM01D (incorporated July 16, 2001), sediment was transported from the Dugout sedimentation pond to the Banning Loadout facility. The following is a technical analysis of the As-built information received by the Division on October 19, 2001. The information is adequate for incorporation into the MRP.

The permittee was approved to store sediment pond cleanout material from the Dugout mine sediment pond at the Banning Loadout. The material was not to exceed 1000 cubic yards and approximately 717 cubic yards were transported. The material was analyzed for a potential growth medium and determined to be rated as fair to good in all of the parameters listed ("Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining" (Leatherwood, 1998). The As-built submittal includes the following: 1) replacement of pages 2-9 and 2-9a, 2) removal of page 2-9b, 3) addition of sediment sample laboratory analysis to Appendix 2-2, and 4) replacement of Exhibit 5-2. Text and Map changes were determined to be adequate for incorporation into the MRP.

INTRODUCTION

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

SOILS RESOURCE INFORMATION

Regulatory Reference: 30 CFR 783.21; 30 CFR 817.22; 30 CFR 817.200(c); 30 CFR 823; R645-301-220; R645-301-411.

Analysis:

Composite samples of the Dugout Mine pond sediments were analyzed both prior to transport and upon placement at the Banning Loadout site. The material was analyzed for a potential growth medium and determined to be rated as fair to good in all of the parameters listed ("Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining" (Leatherwood, 1998). The Division supports the use of the Dugout Mine pond sediments as a suitable growth medium, based on the outcome of the laboratory analysis of the second composite sample analysis of the sediments.

Prior to placement of the sediment from Dugout, two sets of berms were installed completely around the area where the sediment was to be stored. In the 'Equipment Storage Area', coal fines were removed and stored in a pile outside the bermed area. No coal fines exist beneath either of the sediment storage sites.

Findings:

Information provided in the proposed amendment meets the minimum Soil Resource requirements of the Regulations.

ENVIRONMENTAL RESOURCE INFORMATION

OPERATION PLAN

TOPSOIL AND SUBSOIL

Regulatory Reference: 30 CFR Sec. 817.22; R645-301-230.

Analysis:

Removal and Storage

Exhibit 5-2 has been revised to illustrate the location of sediment stockpiles at the Banning Loadout. The sediments brought to the site from the Dugout Mine is stored in the Equipment Storage Area and within the disturbed area of ASCA Area #2 (Exhibit 5-2). The material was not to exceed 1000 cubic yards and approximately 717 cubic yards were transported. As-built maps showing the substitute topsoil pile construction were provided to the Division within 60 days as cited in amendment AM01D. The MRP pages 2-9 through 2-9b Section R645-301-234 Topsoil Storage was revised for this submittal to describe the designation of the sediments as substitute topsoil, their location, and protection.

The sediment transported from Dugout Mine pond to the Banning Loadout is stored in piles no greater than two feet tall. The sediments were gouged and seeded with the reclamation mix presented in Table 3-3 of the MRP. As stated on page 2-9a of the MRP, 'In the future, the permittee will not bring any additional sedimentation pond material to the Banning Loadout facility.

Findings:

The information provided in the submittal meets the minimum operational topsoil and subsoil removal and storage requirements of the Regulations.

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Sediment control measures

The permittee used ASCA #2 and a portion of the Equipment Storage Area at the Banning Loadout to store Dugout Mine sediment pond cleanout material. A series of two berms was used to totally enclose the sediment storage area. Initially, the material was saturated and literally flowed when placed within the Storage Area. All the sediment was contained within the

first berm and was stacked no higher than two feet. The sediment was extremely compacted upon drying and was roughened to provide a seeding medium.

Findings:

The information provided in the submittal meets the minimum Hydrologic Information requirements of the Regulations.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Minimum Requirements:

Mining facilities maps

Location of each facility used in conjunction with mining operations. Such structures and facilities shall include, but not be limited to: buildings, utility corridors, roads, and facilities to be used in mining and reclamation operations or by others within the permit area; each coal storage, cleaning, and loading area; each topsoil, spoil, coal preparation waste, underground development waste, and noncoal waste storage area; each water diversion, collection, conveyance, treatment, storage and discharge facility; each source of waste and each waste disposal facility relating to coal processing or pollution control; each facility to be used to protect and enhance fish and wildlife related environmental values; each explosives storage and handling facility; location of each sedimentation pond, permanent water impoundment, coal processing waste bank, and coal processing water dam and embankment, and disposal areas for underground development waste and excess spoil; and, each plan or profile, at cross sections specified by the Division, of the anticipated surface configuration to be achieved for the affected areas during mining operations.

Analysis:

Mining facilities maps

The permittee has updated the Surface Facilities map, Exhibit 5-2 as an as-built drawing. This map includes the storage location of the sediment pond cleanout (substitute topsoil) from the Dugout Mine.

Findings:

The information provided in the submittal meets the minimum Maps, Plans, and Cross Sections of Mining Operations requirements of the Regulations.